



⑥

PATENT ABSTRACTS OF JAPAN

(11) Publication number: **01145440 A**(43) Date of publication of application: **07.06.89**

(51) Int. Cl. **F16F 9/02**
F16F 9/44

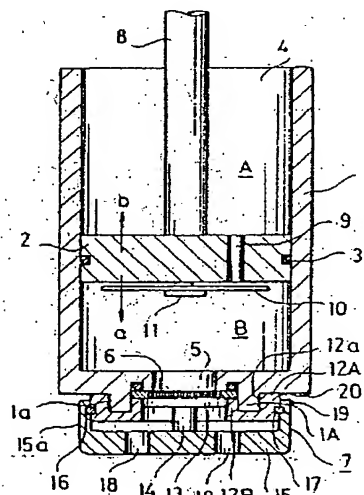
(21) Application number: **62299792**(71) Applicant: **ISHII KOGYO KK**(22) Date of filing: **30.11.87**(72) Inventor: **ISHII TERUTO**(54) **AIR DAMPER**

COPYRIGHT: (C)1989 JPO&Japio

(57) Abstract:

PURPOSE: To obtain an air damper effective for blocking of dust or the like performing accurate adjustment of damping force by providing a means which adjusts the opening area to be increased and decreased of a porous plate arranged in an air vent opening part and having many ventilating fine holes.

CONSTITUTION: Action of a damping object is transmitted to a piston 2, and it slides in a downward direction in a cylinder main unit 1. Here by compressing air in a chamber B forming an air vent opening part 5 in the cylinder main unit 1, damping action is performed. And a porous plate 6 controls an opening area of its fine holes to be increased and decreased as a whole because one part of the fine holes is coated by rotating a rotary shaft 14 with an adjusting plate 13. By applying the constitution thus obtained, damping force can be finely adjusted, further eliminating the necessity for rotating the shaft several times as in a conventional needle valve, labor for adjusting work can be dispensed with.



Einstellrad 14 dient zur gezielten teilweisen Abdeckung der Porenstruktur des porösen Körpers (6).